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TITLE: HYDRAULIC BRAKE DEVICE FOR
VEHICLE

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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a hydraulic brake device for a vehicle capable of adjusting the hysteresis width in a brake pedal tread force - a brake liquid pressure characteristic.

SOLUTION: This hydraulic brake device for the vehicle comprises a power chamber pressure sensor 29 for detecting a liquid pressure P_p in a power chamber 21, a reaction force chamber pressure sensor 30 for detecting a liquid pressure P in a reaction force chamber 18, a tread force sensor 29 for detecting a tread force of a brake pedal operation, and a reaction force chamber pressure adjusting means (always closing linear solenoid valves 12 and 13) capable of adjusting the reaction force chamber pressure P using a high pressure generated by a liquid pressure generating means 11. The reaction force chamber pressure adjusting means controls the reaction force chamber pressure P equal to the power chamber pressure P_p

when determining that a brake liquid pressure P_m is increased or held based on the output result of the tread force sensor 29. The adjusting means controls the reaction force chamber pressure P to be a predetermined pressure higher than the power chamber pressure P_p when determining that the brake liquid pressure P_m is reduced based on the output result of the tread force sensor 29 in an initial stage.

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